

**To:** Laudeman - CDPHE, Steve[[steve.laudeman@state.co.us](mailto:steve.laudeman@state.co.us)]  
**Cc:** [barbara.nabors@state.co.us](mailto:barbara.nabors@state.co.us)[[barbara.nabors@state.co.us](mailto:barbara.nabors@state.co.us)]; Sims, Leslie[[Sims.Leslie@epa.gov](mailto:Sims.Leslie@epa.gov)]; Winters, Scott[[Winters.Scott@epa.gov](mailto:Winters.Scott@epa.gov)]; Costanzi, Frances[[Costanzi.Frances@epa.gov](mailto:Costanzi.Frances@epa.gov)]  
**From:** Wharton, Steve  
**Sent:** Sat 9/20/2014 12:57:59 AM  
**Subject:** Re: CC/CC RA Completion Report for Sediment Improvement Project

Thanks Steve. I'll be on travel next week to Silverton, so please copy Fran Costanzi of my staff, who will shepherd the report on for signature.

Steve

Sent from my iPhone

On Sep 19, 2014, at 4:11 PM, "Laudeman - CDPHE, Steve" <[steve.laudeman@state.co.us](mailto:steve.laudeman@state.co.us)> wrote:

Steve,

Sorry it took me so long to get back to you on this.

The 9/4 EPA edits look good to me.

I have printed and signed two hard copies of the report with the most recent edits included. I will get them to you on Monday 9/22.

Steve

On Thu, Sep 4, 2014 at 2:52 PM, Wharton, Steve <[Wharton.Steve@epa.gov](mailto:Wharton.Steve@epa.gov)> wrote:

Hi Steve – As a matter of course, we do an internal editorial review of our final documents before sending them forward for concurrence and to the record center. This review generated a few additional revisions, which are included in the attached file.

If these look acceptable to you, please generate a clean copy of the report with your signature. The length of the document is now one page longer than the original, so the pagination on the original signature page doesn't match the current version.

Thanks very much,

Steve

**From:** Laudeman - CDPHE, Steve [mailto:[steve.laudeman@state.co.us](mailto:steve.laudeman@state.co.us)]  
**Sent:** Wednesday, September 03, 2014 9:10 AM  
**To:** Wharton, Steve  
**Cc:** [barbara.nabors@state.co.us](mailto:barbara.nabors@state.co.us); Sims, Leslie  
**Subject:** Re: CC/CC RA Completion Report for Sediment Improvement Project

Steve,

I have incorporated your edits. Barbara did a review and she is ok with the changes.

If the attached pdf looks ok, please print and attach the signature sheets and get Bill's signature.

If you see any other edits, let me know and I will make the changes.

Thanks.

Steve

On Tue, Aug 26, 2014 at 1:28 PM, Wharton, Steve <[Wharton.Steve@epa.gov](mailto:Wharton.Steve@epa.gov)> wrote:

Hi Steve – I've finished reviewing the RA completion report for this portion of the OU4 remedy and have just a few suggested edits. I believe I received only a hard copy of the report, so I am listing the suggested edits below. Since they all occur prior to the signature page, once you have reviewed and considered them,

you could email me the updated version, and then I'll attach the existing signature page that you already signed, so Bill can sign the document next week when he returns from vacation.

Thanks for your work on this report. It does a good job of describing all of the moving parts that make up the OU4 remedy.

Steve

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Page 2, 4<sup>th</sup> paragraph: This paragraph omits some of the important aspects of the RAOs outlined in the 2004 ROD, beyond those that deal with brown trout. I'd suggest summarizing more completely the four sediment related RAOs in the ROD, which you currently have enumerated in Section V of the report and are reproduced below.

*1. Reduce in-stream metals concentrations and sediment transport to minimize water quality and*

*habitat impacts and to maximize reasonably attainable water uses of the North Fork of Clear*

*Creek. These actions will also support the survival of a reproducing brown trout population in*

*the North Fork of Clear Creek.*

*2. Reduce in-stream metals concentrations and sediment transport in North Clear Creek with the*

*purpose of reducing adverse water quality and habitat impacts on the main stem of Clear*

*Creek, to protect aquatic life, and to support a viable reproducing brown trout population in*

*the main stem of Clear Creek.*

*3. Ensure that in-stream metals concentrations do not degrade drinking water supplies diverted*

*from the main stem of Clear Creek.*

*4. Reduce the toxicity to benthic aquatic organisms living at the surface water/sediment interface*

*or in sediment to levels that are protective of aquatic life.*

Page 5, 4<sup>th</sup> paragraph: correct “signicant” to “significant”

Page 7, 1<sup>st</sup> paragraph: correct “cooridinated” to “coordinated”

Page 8, 2<sup>nd</sup> paragraph: This paragraph mentions remediation goals, but does not list them. I’d suggest including the table from the ROD listing the RGs for each stream segment under high- and low-flow regimes. These tables appear on page 25 of the ROD.

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Steve Wharton, Unit Chief

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